

## Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Sensor/actuator flush-type socket, 5-pos., A-coded, with straight THR solder connection, only contact insert

### Why buy this product

- ✓ Reduced mounting costs thanks to two-piece device connector
- ✓ Packaging available for automated pick and place assembly
- ✓ All common pin assignments and codings available
- ✓ Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- ✓ Additional gasket for the device when not plugged in

RoHS

### Key Commercial Data

Packing unit	60 STK
Minimum order quantity	60 STK
GTIN	 4 046356 153683
GTIN	4046356153683
Weight per Piece (excluding packing)	3.500 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Degree of protection	IP67 (correctly plugged in and locked)

#### General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using
------	---

# Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

## Technical data

### General

	a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	4 A
Rated voltage	60 V
Rated surge voltage	1.5 kV
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	THR solder connection
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	PCB mounting
Type of packaging	Tray

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PPA
Sealing material	FKM / EPDM

### Cable

Standards/specifications	M12 connector IEC 61076-2-101
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

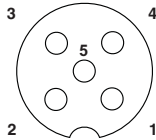
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

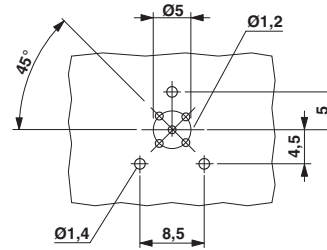
# Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

Schematic diagram



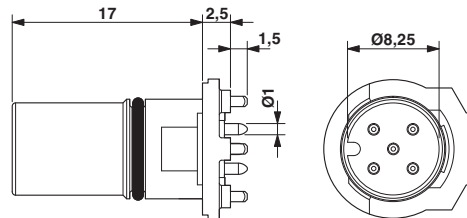
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Drilling diagram



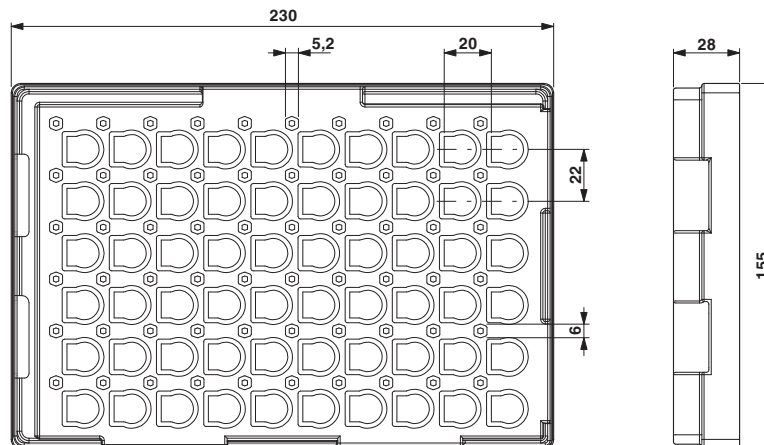
Drilling diagram

Dimensional drawing



M12 female connector contact carrier

Dimensional drawing



THR tray packaging

## Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423

# Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

## Classifications

### eCl@ss

eCl@ss 7.0	27449001
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

### ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002061
ETIM 6.0	EC002061

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

## Approvals

### Approvals

---

#### Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized

---

#### Ex Approvals

---

## Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
mm <sup>2</sup> /AWG/kcmil	26-20		
Nominal current I <sub>N</sub>	4 A		
Nominal voltage U <sub>N</sub>	60 V		

# Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

## Approvals

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
mm <sup>2</sup> /AWG/kcmil		26-20	
Nominal current IN		4 A	
Nominal voltage UN		60 V	

EAC		B.01742
-----	--	---------

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
------------------	--	---

## Accessories

### Accessories

#### Contact insert

Sample set - SACC-CIM12FS5PL180THRSHSAMPLE - 1413558



Sensor/actuator flush-type socket, 5-pos., A-coded, with straight THR solder connection, only contact insert

#### Panel mounting base

Housing screw connection - SACC-M12-SCO NUT - 1552243



M12 SPEEDCON housing screw connection for M12 female inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers

Housing screw connection - SACC-DSIV-M12-NUT - 1416144



Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

## Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

### Accessories

---

Housing screw connection - SACC-M12-SCO NUT L 90 - 1432460



M12-SPEEDCON housing screw connection for M12 female inserts, with flat gasket, for all Speedcon-compatible THR and wave soldering contact carriers

---

Housing screw connection - SACC-BP-F-M12/M15-6-THR - 1414004



Housing screw connection, SocketLink:M12, Rear mounting, M15 x 1

---

Housing screw connection - SACC-BP-F-M12/M15-7-THR - 1414003



Housing screw connection, SocketLink:M12, Rear mounting, M15 x 1

---

Housing screw connection - SACC-BP-F-M12/M15-6-THR SCO - 1414020



Housing screw connection, SocketLink:M12-SPEEDCON, Rear mounting, M15 x 1

---

Housing screw connection - SACC-BP-F-M12/M15-7-THR SCO - 1414005



Housing screw connection, SocketLink:M12-SPEEDCON, Rear mounting, M15 x 1

---

## Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

### Accessories

Housing screw connection - SACC-BP-F-M12/THR-1,0/1,8-9TIP - 1419630



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.0 mm ... 1.8 mm thick front plates.

---

Housing screw connection - SACC-BP-F-M12/THR-1,7/2,5-9TIP - 1419631



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.7 mm ... 2.5 mm thick front plates.

---

Housing screw connection - SACC-BP-F-M12/THR-2,4/3,2-9TIP - 1419633



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 2.4 mm ... 3.2 mm thick front plates.

---

Housing screw connection - SACC-BP-F-M12/THR-3,1/3,9-9TIP - 1419634



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 3.1 mm ... 3.9 mm thick front plates.

---

Housing screw connection - SACC-M12 NUT PRESS - 1437889



Housing screw connection for two-piece M12 connectors for the reflow soldering process.

---

## Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

### Accessories

Housing screw connection - SACC-DSIV-M12-NUT-9 THR - 1417989



Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

---

### Protective cap

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

---

Screw plug - PROT-M12 SH - 1503302



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

---

Screw plug - PROT-M12 FB - 1555538



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

---

---